IOWA STATE JOURNAL OF RESEARCH / MAY 1976
Vol. 50, No. 4

IOWA STATE JOURNAL OF RESEARCH
TABLE OF CONTENTS
Volume 50
(August, 1975 - May, 1976)

No. 1, August, 1975

ELLIS, C. J., and P. THOME. Syringeal histology. III. House wren (Troglodytes aedon) 1
RUSSELL, W. A., and C. L. PRIOR. Stability of yield performance of nonprolific and prolific maize hybrids 17
WAHAB, A. H., and J. S. BURRIS. Metabolism of mono- and oligosaccharides and growth studies in germinating soybean seeds Glycine max (L.) Merrill. I. Carbohydrate and growth data 29
WAHAB, A. H., and J. S. BURRIS. Metabolism of mono- and oligosaccharides and growth studies in germinating soybean seeds Glycine max (L.) Merrill. II. Fate of ^{14}C-sugars after uptake by cotyledons 47
DAHL, N. C. Absorption of technology in developing countries 57
HAMMOND, R. A comparative view of technology transfer: Domestically and in the LDC's 63
HAMMOND, G. Transfer of science and technology: Which, how, and why 67
MOREHOUSE, W. Poverty and progress in a lopsided world: The agony of technological choice 73
KRANZBERG, M. Historical perspectives on industrialization 81
RUSSELL, W. A. Cross-disciplinary approaches to problems of modernization (abstract) 87
MILLER, H. H. Role of engineering schools in transferring technology to developing countries (abstract) 88
Index to Masters' Theses, 1974-75 89
Index to Doctoral Dissertations, 1974-75 117

No. 2, November, 1975

SEITZ, W. K., and R. B. DAHLGREN. Water-based recreational use patterns of the upper Iowa River 131
BENNETT, D. F., and A. J. NETUSIL. Comparison of competencies needed by selected entry level employees in leisure services 147
ELLIS, C. J., and P. THOME. Syringeal histology, IV. Parulidae: ovenbird, Seiurus aurocapillus, and mourning warbler, Oporonis philadelphia 153
HALL, J. L., W. W. BATHIE, D. VAN METER, and J. HERRIN. Exhaust emission comparisons and statistical analysis by use of leaded and nonleaded gasolines in a large vehicle fleet 173
CARLSON, R. E., and T. E. FENTON. Remote sensing of Iowa's agricultural resources by using the ERTS-1 satellite 189
GLASS, L. W. Content preparation of biology, chemistry, and physics teachers in Iowa public high schools 209
BREITER, J., and J. MENNE. A procedure for textbook evaluation illustrated by an analysis of fifth grade social studies texts 217
GUTHRIE, W. D., W. A. RUSSELL, F. L. NEUMANN, G. L. REED, and R. L. GRINDELAND. Yield losses in maize caused by different levels of infestation of second-brood European corn borers 239
HERMAN, R. P., and C. L. KUCERA. Vegetation management and microbial function in a tallgrass prairie 255

IOWA STATE JOURNAL OF RESEARCH / MAY 1976
Vol. 50, No. 4

JABIN, S., and J. N. FARMER. Passive transfer of heterologous immunity in avian malaria 261

No. 3, February, 1976

Conference on Intensive Culture of Short-Rotation Forest Crops

* * * * * *

GORDON, J. C. Intensive culture: last year and now. 267
DAWSON, D. H., and N. V. NOSTE. Review of competition control for intensive culture forestry in the North Central Region 271
WILSON, L. F. Entomological problems of forest crops grown under intensive culture. 277
GREIG, B. J. W., and H. S. McNABB, Jr. Management of Fomes annosus root rot disease in pine crops in Britain 287
SANDBERG, L. Reflections on implementation 293
DeBELL, D. S., and J. C. HARMS. Identification of cost factors associated with intensive culture of short-rotation forest crops. . . 295
ROSE, D. W. Economic investigations of intensive silvicultural systems 301

No. 4, May, 1976

Table of Contents (Vol. 50)
DOBSON, J. M. The impact of the New York Mugwumps on the election of 1884. 317
SHAW, R. H. Moisture stress effects on corn in Iowa in 1974 335
YOESTING, D. R., and R. J. BURDGE. Utility of a leisure-orientation scale 345
ELLIS, C. J. Syringeal histology. V. Thraupidae: Yellow-rumped tanager, Ramphocelus icteronotus, and scarlet tanager, Piranga olivacea 357
THOMAS, R. A., and R. L. WILLHAM. The effects of model fidelity and competition in an animal selection simulation on professional breeder's attitude toward the simulation 363
DYKO, B. J. Aquatic hyphomycetes found in five sites in Story County, Iowa 371
SEITZ, W. K., and R. B. DAHLGREN. Socioeconomic characteristics and attitudes of users of the Upper Iowa River 385
KNIGHT, H. H., and J. C. SCHAFFNER. New and old species of the genus Ilnacora Reuter (Hemiptera, Miridae) 399
PALMIERI, J. R., and H. A. JAMES. Metacercarial composition and development in Apatemon gracilis (Trematoda: Strigeidae) 409
ROGAL, S. J. Observations upon the general state of Pope's finances. . . 419